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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449/PTO

Sheet 1

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of 2

Application Number 10/801,215 March 15, 2004 Filing Date First Named Inventor James R. Hochstein, Jr. Art Unit 3749 **Examiner Name** EH-10961 (03-431) Attorney Docket Number

Examiner	Cite	Document Number	U. S. PATENT D	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	Cite No. ¹	Number-Kind Code ^{2 (F known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
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		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ 'Kind Code ⁵ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
AR		SU 1661721 A1	07-07-1991			
.AZ		RU 2054151 C1	02-10-1996			
Sa		RU 2094728 C1	10-27-1997			
12		SU 328318	02-02-1972			
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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			& TR	Application Number	10/801,215
INFC	RMATION	DIS	CLOSURE	Filing Date	March 15, 2004
STA	TEMENT B	Y A	PPLICANT	First Named Inventor	James R. Hochstein
				Group Art Unit	3749
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Sheet	1	of	1	Attorney Docket Number	EH-10961 (03-431)

U.S. PATENT DOCUMENTS							
Examiner Initials *	Cite No.1	U.S. Patent Document Kind Code ² Number (if known)		Kind Code ² Number Kind Code ² Number		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Kh		5,082,502		Lee et al.	01-21-1992		
1/2		5,430,691		Fridman	07-04-1995		
de		2004-0112306	A1	Ruegg	06-17-2004		
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	FOREIGN PATENT DOCUMENTS								
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Examiner Initials*		Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Te					
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Signature Considered (1966)	Examiner Signature	Schund	ly	Date Considered	7/28/06
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OFMERIT	Complete if Known	
Application Number	10/801,215	
Filing Date	March 15, 2004	
First Named Inventor	James R. Hochstein, Jr.	
Group Art Unit		
Examiner Name		
Attorney Docket Number	EH-10961 (03-431)	

U.S. PATENT DOCUMENTS								
Cile No.1	U.S. Patent Document Number Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevar Passages or Relevant Figures Appear				
	5,494,004	Hunter, Jr.	02-27-1996					
	6,438,191	Bickes, Jr. et al.	08-20-2002					
	6,684,823	Plavnik et al.	02-03-2004					
	2002/0112638	Zilka et al.	08-22-2002					
	1							
		Cite No.¹ Number Kind Code² (if known) 5,494,004 6,438,191 6,684,823	U.S. Patent Document Name of Patentee or Applicant of Cited Document	U.S. Patent Document Name of Patentee or Applicant of Cited Document Date of Publication of Cited Document MM-DD-YYYY				

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Cite No. ¹	Office ³	Number ⁴	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T ₆
	YU	P 1728/8	В	Smajevic et al.	02-20-1992		Х
	YU	P 1756/88	3	Smajevic et al.	06-30-1990		X
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INFORMATION DISCLOSURE			Filing Date	March 15, 2004	
STAT	LEMENT B	Y APPLICANT	First Named Inventor	James R. Hochstein, Jr.	
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Sheet	2	of 2	Attorney Docket Number	EH-10961 (03-431)	

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L		HANJALIC ET AL., "Detonation-Wave Technique for On-Load Deposit", Journal of Engineering for Gas Turbines and Power, January, 1994, pp. 223-236, Vol. 116.	
Sa		HUQUE, "Experimental Investigation of Slag Removal Using", Annual Symposium, March 16-18, 1999, pp. 1-6, Miami, FL	
Se		HANJALIC ET AL., "Further Experience in Using Detonation Waves", International Journal of Energy Research, April 7, 1993, pp. 583-595, Vol. 17	
			
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